**Bruhat Bangalore Mahanagara Palike**

**Excecutive Engineer Yelahanka Division**

# Improvements to roads and drains at AMS layout and Judicial Layout in ward no-03 and 04 of Yelahanka Satellite Town Sub Division (Package -2)

| | |
|---|---|
| 1 | Construction of RCC Drain and culverts in balance roads of AMS layout and surrounding areas in ward no-03 of Yelahanka New Town Sub Division |
| 2 | Construction of RCC Drain and culverts in Judicial layout balance roads and surrounding areas in ward no-04 of Yelahanka New TownSub Division |

## Quantity Abstract (Estimate Wise)

| Sl No | Description of Item | Unit | AMS Layout | Judicial Layout | Total Quantity as per Estimation | Rate, Rs | Amount, Rs |
|---|---|---|---|---|---|---|---|
| | | | 1 | 2 | | | |
| 1 | KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1) | Cum | 1837.44 | 1258.12 | 3095.56 | 215.28 | 666412.16 |
| 2 | KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18) | Cum | 253.77 | 187.88 | 441.65 | 5421.90 | 2394582.14 |
| 3 | Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19) | Cum | 530.61 | 380.25 | 910.86 | 7070.20 | 6439962.37 |
| 4 | KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19) | Ton | 31.84 | 23.55 | 55.39 | 73992.24 | 4098333.98 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | 415.26 | 889.20 | 1304.46 | 2337.00 | 3048523.02 |
| | Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | | 50.40 | 50.40 | 5418.00 | 273067.20 |
| 7 | Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19) | Nos | | 1743.00 | 1743.00 | 432.48 | 753812.64 |
| 8 | Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19) | Sqm | | 240.60 | 240.60 | 84.80 | 20402.88 |
| | | | | | | Construction Cost | 17695096 |
| | | | | | | 12% GST | 2123412 |
| | | | | | | PMC Charges | 180491 |
| | | | | | | Sub Total | 19998999 |
| | | | | | | Miscellaneous | 1001 |
| | | | | | | Grand Total | 20000000 |

Technical Sanction
Accorded for Rs. 200.00 lakhs only
Head of A/C P-3296
CER NO 266 Dt: 09.01.2020

CE (YNK)

Administrative Sanction for Rs. 200.00 lakhs
Two crores only
is accorded under head P-3296
14th finance works
21-10-2019 and Data Rates
Registered as CE No. Subject
to conditions contained in enclosed memo
No EE/YNK/A.S/04/2020-21 Dt 9-4-2020

Executive Engineer

**Certificate**

1. The workspot was inspected and works is found to be necessary.
2. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019,

Ramarajeevarh AE
Assistant Engineer
Yelahanka Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore